

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P412793

Luminaire Tested: **22PD-70-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-70-PP3-L950
Description: 7000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

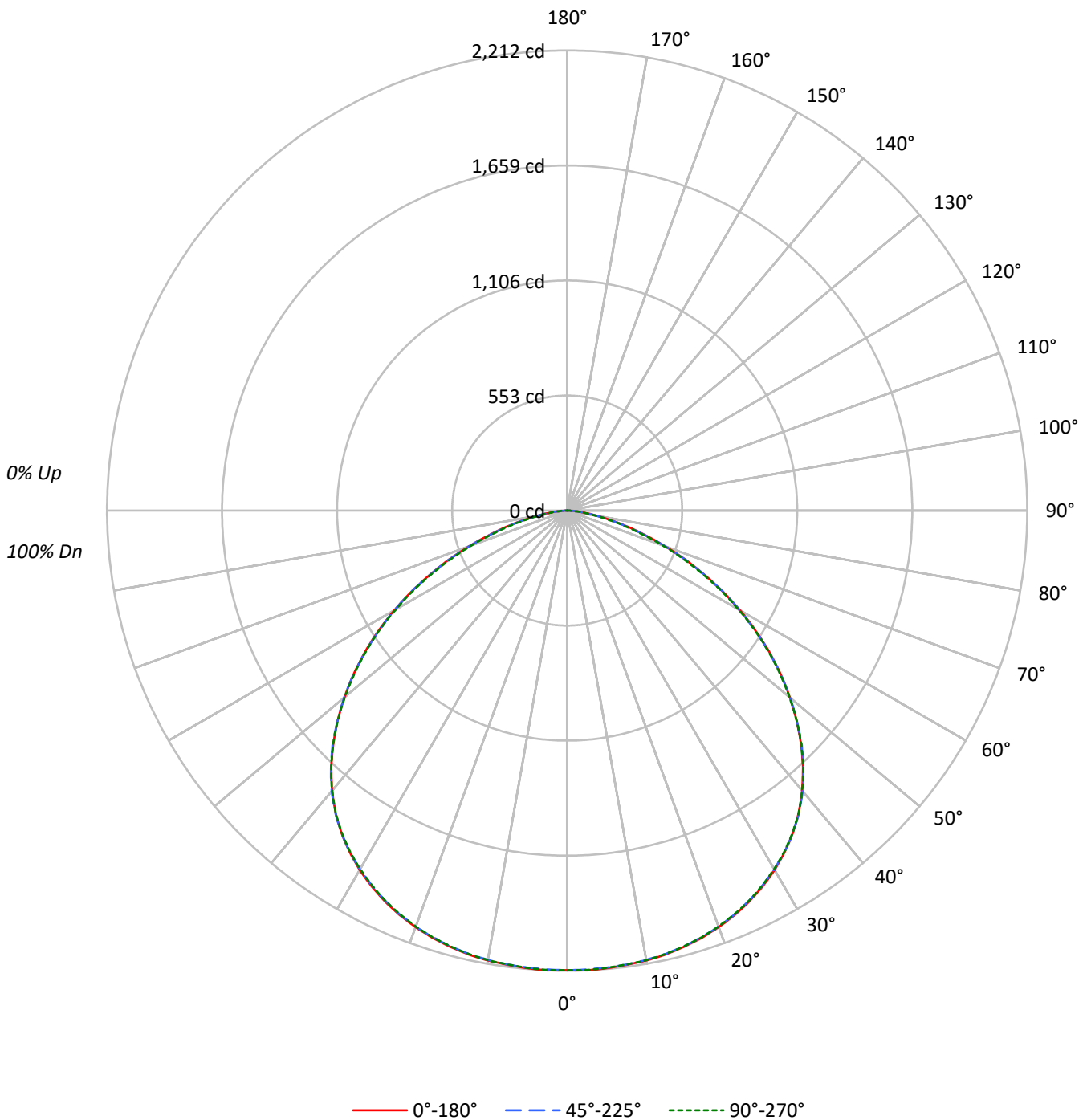
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6339.0 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5945	5945	5945
5°	5964	5956	5960
10°	6001	5993	5997
15°	6048	6042	6042
20°	6101	6095	6092
25°	6155	6144	6144
30°	6198	6187	6184
35°	6216	6216	6209
40°	6175	6188	6175
45°	6053	6070	6061
50°	5849	5858	5843
55°	5569	5555	5545
60°	5169	5158	5118
65°	4618	4613	4561
70°	3947	3924	3836
75°	3145	3053	2961
80°	2241	2194	2081
85°	1457	1457	1411



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.1	3.3
10°-20°	612.9	9.7
20°-30°	954.3	15.1
30°-40°	1181.2	18.6
40°-50°	1224.8	19.3
50°-60°	1055.7	16.7
60°-70°	717.7	11.3
70°-80°	321.2	5.1
80°-90°	61.1	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1777.3	28.0
0°-40°	2958.5	46.7
0°-60°	5239.0	82.6
0°-90°	6339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6339.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2209	2209	2209	2209	2209	
5°	2208	2204	2205	2204	2206	210
15°	2171	2167	2169	2167	2169	614
25°	2073	2070	2069	2068	2069	956
35°	1892	1890	1892	1889	1890	1182
45°	1590	1589	1595	1591	1593	1224
55°	1187	1182	1184	1182	1182	1058
65°	725	731	724	722	716	720
75°	302	303	294	292	285	325
85°	47	49	47	46	46	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2209.4	2209.4	2209.4	2209.4	2209.4
2.5°	2212.4	2207.9	2207.9	2208.7	2210.9
5°	2207.9	2203.5	2205.0	2204.3	2206.5
7.5°	2202.0	2198.4	2200.6	2199.1	2200.6
10°	2196.1	2192.5	2193.2	2192.5	2194.7
12.5°	2185.8	2181.4	2182.9	2182.9	2183.6
15°	2171.1	2167.4	2168.9	2167.4	2168.9
17.5°	2153.4	2148.9	2149.7	2148.9	2150.4
20°	2130.5	2127.5	2128.3	2126.8	2127.5
22.5°	2104.7	2101.0	2101.7	2100.2	2100.2
25°	2072.9	2070.0	2069.3	2068.5	2069.3
27.5°	2036.1	2032.4	2032.4	2031.6	2031.6
30°	1994.8	1991.1	1991.1	1990.3	1990.3
32.5°	1946.1	1944.6	1945.3	1943.9	1943.1
35°	1892.2	1890.0	1892.2	1889.3	1890.0
37.5°	1829.5	1826.6	1831.0	1828.0	1828.8
40°	1757.9	1756.5	1761.6	1759.4	1757.9
42.5°	1678.3	1678.3	1680.5	1681.2	1679.8
45°	1590.5	1589.0	1594.9	1591.2	1592.7
47.5°	1496.1	1493.9	1498.3	1497.5	1496.8
50°	1397.2	1395.7	1399.4	1395.7	1395.7
52.5°	1294.7	1293.9	1294.7	1291.0	1290.2
55°	1187.0	1182.5	1184.0	1181.8	1181.8
57.5°	1074.8	1069.7	1070.4	1069.7	1070.4
60°	960.5	959.0	958.3	954.6	950.9
62.5°	843.2	844.7	843.9	838.8	835.1
65°	725.2	731.1	724.4	722.2	716.3
67.5°	613.8	616.0	611.6	606.4	599.8
70°	501.6	506.1	498.7	493.5	487.6
72.5°	394.7	397.6	391.0	388.0	380.7
75°	302.5	303.2	293.6	292.1	284.8
77.5°	215.4	218.4	211.0	211.0	203.6
80°	144.6	149.8	141.6	139.4	134.3
82.5°	90.7	91.5	89.3	87.0	84.8
85°	47.2	48.7	47.2	45.7	45.7
87.5°	17.7	18.4	17.7	17.0	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)